付録A 仕 様

型 名		Express5800/MW500b
		N8100-902
出荷時のモデル形態		ディスクアレイモデル
CPU	タイプ	Intel® Xeon™ Processor
	クロック/キャッシュ	2.4GHz(フロントサイドバス: 533MHz)/512KB
	標準	1個
	最大	2個
チップセット		E7501(533MHz)
メモリ	標準	256MB(128MBx2)
	最大	2GB(標準のDIMMも交換必要)
	増設単位	2枚単位(128MB×2/256MB×2/512MB×2/1GB×2)
	ﾒﾓﾘﾓｼﾞｭｰﾙ	DDR266 SDRAM DIMM、Chipkill対応(Lowprofile)
	Check方式	ECC
補助入力装置	ﾌﾛｯﾋﾟｰﾃﾞｨｽｸ(標準)	3.5インチドライブ×1
	ﾊｰﾄﾞﾃﾞｨｽｸ(標準)	72.6GB(36.3GB×3)
	ﾊｰﾄﾞﾃﾞｨｽｸ(最大)	217.8GB(36.3GB×6)
	CD-ROM(標準)	ATAPIドライブ×1(トレーロード24倍速以上)
ハードディスクベイ		6スロット
バックアップファイルベイ		1スロット
拡張スロット*1	64-bit PCI-X (100MHz)	1スロット
	64-bit PCI (100MHz)	3スロット(Low-profile) 標準装備のディスクアレイコントローラで1スロット使用済み
LAN		1000Base-T/100Base-TX/10Base-T(2ポート)
外部ｲﾝﾀﾌｪｰｽ	シリアル	2ポート(D-sub 9-pin(1ポート)、RJ-45(1ポート))
	ネットワーク	RJ-45(2ポート)
	SCSI	Ultra320 SCSI(1ポート)
ディスクアレイ		標準装備(RAID 0/1/5(出荷時の設定))
冗長電源		オプション
筐体デザイン		ラックマウント(2U)
外形寸法		483mm(幅)×88mm(高さ)×613mm(奥行き)*2
質量		最大25kg
電源		AC100V±10%、50/60Hz
消費電力(最大)		400VA、390W
環境条件		温度:10～35℃、湿度:20～80%(ただし、結露しないこと)

*1 サポートしているボードや搭載スロットについては6章を参照してください。

*2 フロントベゼル取り付け時は660mm。

付録B　保守サービス会社網一覧

NEC Express5800シリーズ、および関連製品のアフターサービスは、お買い上げのNEC販売店、最寄りのNEC、またはNECフィールディング株式会社までお問い合わせください。下記にNECフィールディングのサービス拠点所在地一覧を示します。
（受付時間：AM9:00～PM5:00　土曜日、日曜日、祝祭日を除く）
次のホームページにも最新の情報が記載されています。

http://www.fielding.co.jp/

このほか、NEC販売店のサービス網がございます。お買い上げの販売店にお問い合わせください。

2003年3月現在

都道府県名	拠点名	電話番号	郵便番号	所在地
北海道	札幌支店	011-221-3705	060-0042	札幌市中央区大通西4-1　新大通ビル9F
	新札幌支店	011-894-1131	004-0041	札幌市厚別区大谷地東4-2-20　第二西村ビル1F
	釧路営業所	0154-43-2361	085-0847	釧路市大町1-1-1　道東経済センタービル7F
	旭川支店	0166-24-2098	070-0033	旭川市三条通9丁目左1号　明治生命旭川ビル1F
	オホーツク営業所	0157-25-7520	090-0024	北見市北四条東3-1-1　富士火災北見ビル3F
	苫小牧営業所	0144-36-3846	053-0022	苫小牧市王子町3-2-23　朝日生命苫小牧ビル2F
	室蘭営業所	0143-46-3180	050-0083	室蘭市東町2-24-4　石井第5ビル3F
	函館支店	0138-54-5642	040-0001	函館市五稜郭町1-14　住友生命五稜郭ビル3F
	道東営業所	0155-25-4892	080-0013	帯広市西三条南10-32　日本生命帯広駅前ビル5F
	小樽営業所	0134-24-5685	047-0036	小樽市長橋3-4-14
青森	青森支店	017-739-8501	030-0113	青森市第二問屋町4-1-20 NECソフトウェア青森本社ビル1F
	八戸営業所	0178-44-4354	031-0081	八戸市柏崎1-10-2　八戸第一生命ビル1F
	弘前営業所	0172-34-9083	036-8001	弘前市代官町38　安田生命弘前ビル1・2F
岩手	盛岡支店	019-635-3011	020-0866	盛岡市本宮3-13-20
	一関営業所	0191-21-5506	021-0031	一関市青葉1-6-4　シャトレー壱號館1F
宮城	仙台支店	022-262-3445	980-0811	仙台市青葉区一番町4-7-17　小田急不動産仙台ビル6F
秋田	秋田支店	018-863-7938	010-0951	秋田市山王1-3-29
山形	山形支店	023-631-3502	990-2445	山形市南栄町3-6-34
	鶴岡営業所	0235-25-8386	997-0031	鶴岡市大宝寺町1-30
	米沢営業所	0238-24-1418	992-0027	米沢市駅前3-5-22　かなつビル1F
福島	郡山支店	024-938-5209	963-8022	郡山市西ノ内1-22-13
	福島支店	024-536-3703	960-8074	福島市西中央5-6-1
	いわき営業所	0246-29-5301	970-8034	いわき市平上荒川字桜町34-1
	会津若松営業所	0242-29-3699	965-0818	会津若松市東千石2-1-45
茨城	鹿島支店	0299-82-4860	314-0014	鹿嶋市光3　住友金属構内
	つくば支店	0298-37-1620	305-0853	つくば市榎戸783-12　沼尻産業ビル1F
	水戸支店	029-257-1860	310-0911	水戸市見和3-575-3
栃木	宇都宮支店	028-632-8140	321-0954	宇都宮市元今泉2-7-6
	小山営業所	0285-21-1495	323-0807	小山市城東1-14-12　ウエルストン1ビル1F
群馬	群馬支店	027-243-6316	371-0026	前橋市大手町2-6-20　安田生命前橋ビル5F
	高崎営業所	027-365-3500	370-0073	高崎市緑町1-22-5
	太田支店	0276-45-0666	373-0853	太田市浜町58-24
埼玉	大宮支店	048-660-1881	330-0038	さいたま市宮原町2-85-5
	熊谷営業所	048-527-0597	360-0036	熊谷市桜木町1-1-1　秩父鉄道熊谷ビル4F
	浦和支店	048-866-5471	336-0022	さいたま市白幡4-12-19
	川口営業所	048-225-6722	332-0001	川口市朝日6-2-3　あいおい損保・川口東ビル4F
	川越支店	042-955-7695	350-1331	狭山市新狭山2-11-10
	越谷営業所	048-978-9500	343-0042	越谷市千間台東1-7-25　エムケービル1F

都道府県名	拠点名	電話番号	郵便番号	所在地
千葉	千葉支店	043-252-4309	260-0043	千葉市中央区弁天町250-1　白樺ビル5F
	千葉東支店	043-221-6964	260-0843	千葉市中央区末広1-12-15
	成田営業所	0476-22-5390	286-0044	成田市不動ヶ岡2152-2　成田旭ビル1F
	君津営業所	0439-55-7278	299-1144	君津市東坂田1-3-2　京葉君津ビル3F
	船橋支店	047-434-1611	273-0012	船橋市浜町2-1-1　ららぽーと三井ビル1F
	柏営業所	0471-35-2400	277-0827	柏市松葉町2-5-1
	印西営業所	0476-46-4250	277-0827	印西市大塚1-9千葉ニュータウンエネルギーセンター1F
東京	東京中央支店	03-3456-5213	108-0073	港区三田1-4-28　三田国際ビル1F
	大森支店	03-3764-0007	140-0013	品川区南大井6-25-3　ビリーヴ大森ビル8F
	五反田支店	03-3443-7905	141-0022	品川区東五反田5-25-16　朝日生命五反田ビル1F
	新橋支店	03-3431-9868	105-0021	港区東新橋2-12-7　住友東新橋ビル2号館3F
	赤坂支店	03-5413-1701	107-0052	港区赤坂4-9-6　タク赤坂ビル2F
	三田支店	03-3452-6168	108-0073	港区三田1-4-28　三田国際ビル1F
	渋谷支店	03-5458-3341	150-0036	渋谷区南平台町2-17　日交渋谷南平台ビル8F
	新宿支店	03-3352-8071	160-0022	新宿区新宿4-2-18　新宿光風ビル3F
	池袋支店	03-3985-3194	170-0013	豊島区東池袋1-32-7　三井生命池袋ビル4F
	日本橋支店	03-3297-0783	104-0033	中央区八丁堀4-5-8　ノワール八丁堀2F
	江東支店	03-3649-3230	135-0016	江東区東陽3-27-32　玉河ビル5F
	秋葉原支店	03-5821-2474	111-0052	台東区柳橋2-19-6　秀和柳橋ビル8F
	足立営業所	03-3888-7151	120-0034	足立区千住1-11-2　カーニープレイス千住7F
	神田支店	03-3233-2411	101-0064	千代田区猿楽町2-7-8　住友水道橋ビル8F
	府中支店	042-362-6833	183-0036	府中市日新町1-4-5　第六MKビル1F
	立川支店	042-527-2527	190-0022	立川市錦町2-4-6　住友生命立川ビル3F
	小金井支店	042-385-7666	184-0013	小金井市前原町5-9-7
神奈川	神奈川支店	045-314-7625	220-0004	横浜市西区北幸2-8-4　横浜西口KNビル1F
	横須賀営業所	0468-27-3188	238-0004	横須賀市小川町14-1　ニッセイ横須賀センタービル1F
	川崎営業所	044-244-1083	210-0023	川崎市川崎区小川町11-10　第10平沼ビル5F
	相模原支店	042-746-6111	228-0803	相模原市相模大野7-1-6　相模大野第一生命ビル4F
	厚木支店	046-225-0411	243-0032	厚木市恩名900-4
	平塚支店	0463-21-4777	254-0035	平塚市宮の前1-2　あいおい損保平塚第一ビル2F
	藤沢営業所	0466-22-0204	251-0055	藤沢市南藤沢17-10　コア湘南田村ビル１F
	小田原営業所	0465-35-6647	250-0042	小田原市荻窪362　第二オギクボビル1F
	玉川支店	044-814-1551	213-0002	川崎市高津区二子5-1-1　高津パークプラザビル4F
新潟	新潟支店	025-243-2315	950-0983	新潟市神道寺275-3
	長岡営業所	0258-35-5217	940-0034	長岡市福住2-3-6　小林石油ビル
	柏崎営業所	0257-22-2362	945-0833	柏崎市若葉町2-22　柏崎情報開発センター2F
富山	富山支店	076-442-2605	930-0004	富山市桜橋通り1-18　住友生命富山ビル1F
	黒部営業所	0765-54-0447	938-0031	黒部市三日市字新光寺1880-1
	高岡営業所	0766-25-4212	933-0912	高岡市丸の内1-40　高岡商工ビル8F
石川	金沢支店	076-223-3188	920-0864	金沢市高岡町1-39　住友生命金沢高岡町ビル1F
	小松営業所	0761-24-3782	923-0926	小松市竜助町36　小松東京海上ビル3F
	七尾営業所	0767-54-0298	926-0012	七尾市相生町45
福井	福井支店	0776-54-6637	918-8206	福井市北四ツ居町518
山梨	甲府支店	055-226-7564	400-0858	甲府市相生2-3-16　住友海上甲府ビル3F
	富士吉田営業所	0555-23-9515	403-0005	富士吉田市上吉田3726　ヤマナシ文具センタービル2F
長野	松本支店	0263-27-7070	399-0033	松本市笹賀6096-1
	岡谷営業所	0266-24-4870	394-0028	岡谷市本町4-5-18
	長野支店	026-224-0050	380-0824	長野市南石堂町1293　清水長野ビル1F
	上田営業所	0268-27-6336	386-0032	上田市諏訪形5-1　豊成ビル5F
	飯田営業所	0265-53-7043	395-0815	飯田市松尾常盤台73-10
岐阜	東濃営業所	0572-55-4578	509-5132	土岐市泉町大富261-8
	岐阜支店	058-275-8801	500-8367	岐阜市宇佐南3-4-7
	高山営業所	0577-33-6524	506-0021	高山市名田町5-95-2　第3みたかビル5F
	中濃営業所	0574-27-6431	505-0041	美濃加茂市太田町飛鹿1927-2

都道府県名	拠点名	電話番号	郵便番号	所在地
静岡	静岡支店	054-251-4688	420-0851	静岡市黒金町3　NEC静岡ビル5F
	富士営業所	0545-64-6735	416-0944	富士市横割1-17-24　FCビル2F
	沼津支店	0559-73-6001	411-0906	駿東郡清水町八幡88-1
	浜松支店	053-466-0205	435-0047	浜松市原島町111
	掛川営業所	0537-23-2181	436-0056	掛川市中央1-4-2　タウンビル3F
愛知	名古屋支店	052-264-7525	460-0007	名古屋市中区新栄2-28-22　NEC名古屋ビル5F
	名西営業所	052-442-7451	490-1111	海部郡甚目寺町大字甚目寺字山王22 （株）シーエスイー山王ビル
	名南支店	052-694-1031	457-0862	名古屋市南区内田橋1-8-5　アートライフ・タケセイ1F
	半田営業所	0569-22-2762	475-0903	半田市出口町1-130-1　森田ビル4F
	小牧支店	0568-75-5594	485-0029	小牧市中央1-271　大垣共立銀行小牧支店ビル4F
	豊田営業所	0565-34-1168	471-0034	豊田市小坂本町1-5-3　朝日生命新豊田ビル4F
	三河支店	0564-23-5020	444-0044	岡崎市康生通南3-5　住友生命岡崎第二ビル1F
	豊橋営業所	0532-55-3063	440-0084	豊橋市下地町瀬上83
三重	三重支店	0593-51-0425	510-0074	四日市市鵜の森1-5-16 カーニープレイス四日市ビル6F
	津営業所	059-227-1622	514-0028	津市東丸之内33-1　津フェニックスビル4F
	松阪営業所	0598-51-6185	515-0002	松阪市郷津町234-1
	伊賀上野営業所	0595-23-8914	518-0873	上野市丸之内128　共立ビル2F
滋賀	滋賀支店	077-525-3156	520-0043	大津市中央4-5-4　BKビル
	彦根営業所	0749-24-1784	522-0073	彦根市旭町8-20
	八日市営業所	0748-25-0680	527-0022	八日市市上之町2-7　ウイング八日市3F
京都	京都支店	075-812-5800	604-8804	京都市中京区壬生坊城町24-1　古川勘ビル4F
	宇治営業所	0774-20-1210	611-0042	宇治市小倉町久保111-1　辻岩ビル新館4F
	福知山支店	0773-23-6287	620-0942	福知山市字天田288　竹下駅南ビル2F
	舞鶴営業所	0773-63-7236	625-0036	舞鶴市字浜160　スクウェアービル大門3F
	亀岡営業所	0771-25-7320	621-0805	亀岡市安町中畠1-2　スカイビル5F
大阪	大阪中央支店	06-6264-2820	541-0053	大阪市中央区本町2-1-6　堺筋本町センタービル5F
	寝屋川営業所	072-833-5284	573-0094	枚方市南中振1-16-27　宅建ハウジングビル6F
	此花営業所	06-6463-7871	553-0005	大阪市福島区野田2-13-5　うおいちニッセイビル6F
	淀川支店	06-6305-5444	532-0011	大阪市淀川区西中島1-11-16　住友商事淀川ビル3F
	北摂営業所	0726-73-5481	569-0071	高槻市城北町1-5-25　高槻FJYビル1F
	千里支店	06-6835-0017	560-0082	豊中市新千里東町1-2-4　信用保証ビル7F
	東大阪支店	0729-24-6780	581-0803	八尾市光町1-61　嶋野・住友生命ビル7F
	南大阪支店	072-223-8595	590-0026	堺市向陵西町2-1-24
	泉南営業所	0724-63-2190	598-0012	泉佐野市高松東1-10-37　泉佐野センタービル8F
兵庫	豊岡営業所	0796-24-0331	668-0043	豊岡市桜町15-1　幸栄ビル1F
	神戸支店	078-332-5431	650-0031	神戸市中央区東町126　神戸シルクセンタービル3F
	姫路支店	0792-89-2684	670-0948	姫路市北条宮の町113
	明石支店	078-914-0550	673-0892	明石市本町2-2-24　明石東京海上ビルディング
	阪神支店	06-6482-2315	660-0892	尼崎市東灘波町5-17-23　住友生命尼崎ビル1F
奈良	奈良支店	0742-36-1161	630-8001	奈良市法華寺町219-1
	橿原営業所	0744-23-6240	634-0813	橿原市四条町277-1　シェ・ホーム・ヤマ2F
和歌山	和歌山支店	073-428-3222	640-8154	和歌山市六番丁5　和歌山第一生命ビル
鳥取	鳥取営業所	0857-28-6068	680-0911	鳥取市千代水4-97
	米子営業所	0859-22-8280	683-0044	米子市大工町33-32　米子ISビル3F
島根	山陰支店	0852-21-0988	690-0825	松江市学園1-18-5
	浜田営業所	0855-22-6092	697-0033	浜田市朝日町70-5　朝日第2ビル1F
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	倉敷営業所	086-426-1371	710-0057	倉敷市昭和2-4-6　住友生命倉敷ビル2F
	津山営業所	0868-28-2649	708-0872	津山市平福181-15　カワシマ商事（株）本社ビル3Ｆ

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	東広島営業所	0824-22-6411	739-0003	東広島市西条町大字土与丸441-1
	三次営業所	0824-63-3186	728-0013	三次市十日市東6-13-14
	福山支店	0849-31-8907	720-0973	福山市南蔵王町3-13-12
	備後府中営業所	0847-46-4835	726-0003	府中市元町475-1　カルチャープラザ4F
	尾道営業所	0848-22-3736	722-0037	尾道市西御所町14-15　第六堀田ビル4F
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香川	高松支店	087-833-1771	760-0008	高松市中野町29-2　NEC四国ビル7F
	丸亀営業所	0877-23-8563	763-0034	丸亀市大手町3-5-18　ジブラルタ丸亀ビル7F
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	八幡浜営業所	0894-24-6158	796-0010	八幡浜市江戸岡1-4-6　江戸岡ビル2F
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	今治営業所	0898-31-5741	794-0043	今治市南宝来町1-7-7　住友海上今治ビル2F
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	福岡中央営業所	092-472-2853	812-0004	福岡市博多区榎田2-3-27　STS第二ビル3F
	博多営業所	092-472-2853	812-0004	福岡市博多区榎田2-3-27　STS第二ビル3F
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~Memo~

用語解説

ソフトウェアに関する用語について解説します。

anonymous FTP
FTP(File Transfer Protocol)の利用方法のひとつで、FTPサーバをインターネット上で公開し、誰でも使用できるようにしたもの。利用者は特定のアカウントを持たない匿名でもサーバにアクセスすることができる。

BIOS(Basic Input/Basic Output)
基本的な入出力を行うプログラムのこと。

CGI(Common Gateway interface)
WebサーバのHTML文書から外部プログラムを呼び出すための仕掛け。Webサーバ機能をさまざまな用途に拡張できる。

DHCP(Dynamic Host Configuration Protocol)
ネットワークに接続された各端末はIPアドレス、DNSサーバなど、各種の設定を行う必要がある。
これらに関する情報をDHCPサーバに登録しておくと、LANポートに接続された機器の設定をDHCPサーバが自動的に行う。

DNS(Domain Name System)
ネットワーク上のマシンの名前とIPアドレスを相互に変換するシステム。
覚えにくいIPアドレスを使わずに、マシン名であるドメイン名(例えばwww.nec.co.jp)を使って通信を可能にする。
DNSソフトウェアはネームサーバとリゾルバと呼ばれる二つの機能を持つ。
ネームサーバは、ドメインネームとIPアドレスを管理するデータベースにアクセスし、マシン名とIPアドレスを変換する機能を持つ。
リゾルバはクライアントの要求に応じて、ネームサーバに問い合わせを行う機能である。代表的なDNSソフトウェアに、BINDがある。

Ethernet(→「イーサネット」)

FQDN(Fully Qualified Domain Name)
TCP/IPネットワーク上で、ドメイン名やサブドメイン名、ホスト名を省略せずにすべて指定した記述形式のこと。

FTP(File Transfer Protocol)
TCP/IPネットワークでファイルを転送するために使われるプロトコル、またはプログラムを指す。FTPでファイルを転送するには、通常はユーザー名とパスワードが必要であるが、anonymous(匿名の意味)というユーザー名で、誰でも使用できるFTPサーバもあり、これは、anonymous FTPサーバと呼ばれる。

HTML(Hyper Text Markup Language)
Webサーバで公開する情報を記述するための言語。文字や画像を結び合わせたハイパーテキスト文書を作成できる。
HTMLを記述するには、文書の論理構造を、タグと呼ぶ記号を使って示さなければならないが、現在はHTMLを簡単に作成するツールが数多く存在している。Webブラウザは、Webサーバ上にあるHTMLファイルを実際に表示するソフトウェアである。Webサーバにアクセスするには、URL(ユニフォームリソースロケータ)、例えば「http://www.nec.co.jp/」を指定する。

HTTP(Hyper Text Transfer Protocol)
WebサーバとWebブラウザがファイルなどの情報をやり取りするためのプロトコル。

IP(Internet Protocol)
ネットワーク間でのデータの中継経路を決定するためのプロトコル。通信プロトコルの体系において、TCPとIPは非常に重要なので、これら二つを合わせてTCP/IPとも呼ばれる。

IP(Internet Protocol)アドレス
TCP/IP通信においてネットワーク上の各端末の位置を特定するために使用される32ビットのアドレス。通常は8ビットずつ4つに区切って0〜255.0〜255.0〜255.0〜255という10進数の数字列で表される。ルータはIPアドレスを複数持つ。
例) 130.158.60.5

LAN(Local Area Network)
同一フロアーや敷地内の比較的小さな規模のネットワークのことをいう。

Linux

Linus Torvalds氏を中心に、世界中の開発者がインターネットを利用して、相互に協力しながら開発・保守しているUNIX互換OS。

Management Console

Webブラウザを利用した本装置のシステム設定ツールの名称。Web-based Management Consoleの略称としてWbMCと表記することもある。

MIME(Multipurpose Internet Mail Extention)

インターネットを介してさまざまなデータを送るための拡張仕様。

PING(Packet InterNet Groper)

ある端末から他の端末への接続が正常に行えるかどうかを試験するプログラム。

POP(Post Office Protocol)

TCP/IPのアプリケーションプロトコルの一つで、クライアントがサーバからメールを取得するときに用いられるプロトコル。

SMTP(Simple Mail Transfer Protocol)

TCP/IPのアプリケーションプロトコルの一つで、電子メールの配送のためのプロトコル。

SSL(Secure Socket Layer)

Webサーバが信頼できるものかの認証を行ったり、Webブラウザのフォームから送信する情報を暗号化するために用いられる技術。SSLを用いるには、Webサーバに秘密鍵と証明書を設定する必要がある。証明書はベリサインなどの認証局に署名してもらうものと、自己署名のものがあるが、前者を用いるとサーバ認証と暗号化が、後者を用いると暗号化のみが有効になる。

TCP(Transmission Control Protocol)

事実上インターネット標準となっているTCP/IPプロトコルの基礎をなすプロトコル。IPの上位プロトコルとして位置づけられ、IPがコネクションレス型の配送サービスだけを提供するのに対して、TCPはコネクション型の配送サービスを提供する。

TCP/IP(Transmission Control Protocol/Internet Protocol)

インターネットの標準通信プロトコル。TCPをIPはそれぞれ固有のプロトコル名だが、一般にUDP(User Datagram Protocol)などを含めたプロトコル群をTCP/IPと総称することが多い。

TCPを使う代表的なネットワーク機能には、HTTP、FTPなどがある。UDPを使う代表的なネットワーク機能には、DNSなどがある。

Telnet(Telecommunication Network)

TCP/IPで接続されたコンピュータに遠隔地からログインするためのサービス、またはプログラムを指す。インターネットに接続された特定のコンピュータに接続し、そのコンピュータを遠隔操作する目的で使われるもの。

イーサネット(Ethernet)

米ゼロックス社、米DEC社、米インテル社の3社が共同開発したLANの名称。

インターネット

ほぼ全世界にまたがるコンピュータネットワークの集合体。元々は、UNIXのLANを相互接続することで形成されたきた。現在ではパソコンLANとも接続しており、巨大な通信インフラとなった。

インターネットへの接続には、専用線によるIP接続、ダイヤルアップ接続などの方法がある。

イントラネット

インターネットの技術を企業内の通信基盤に取り入れた形態。

クライアント

ネットワークにおいてサーバに対し、情報の提供などの何らかのサービスを要求し、その返答を受ける機器またはアプリケーションの総称。

サーバ

ネットワークにおいてクライアントに対し、何らかのサービスを提供する機器のことをいう。提供するサービスごとに、ファイルサーバ、DNSサーバといった名称で呼ばれる。

サブネット

IPアドレスの範囲内で管理者は自分の管理するネットワークをサブネットマスクを使用して、いくつかの小ネットワークに分割することができる。こうしてできた小ネットワークを、サブネットと呼ぶ。

サブネットマスク

IPアドレスにはネットワークの情報と端末の情報が含まれているが、IPアドレスのうちどこまでがネットワークの情報で、どこからが端末の情報かを識別するために用意されているもの。
IPアドレス同様に0〜255.0〜255.0〜255.0〜255という10進数の数字列で表される。また、これの値で管理者はサブネットを設定することができる。例えば、サブネットマスク「255.255.255.0」は、8ビットの2進数では11111111.11111111.11111111.00000000となる。IPアドレス192.168.60.5のうち1で覆われている部分がネットワークを、0の部分がネットワーク内の端末を表す。この場合、192.168.60.0がネットワークを、5はその中の端末のことを表す。

システム運用管理

構築したシステムが円滑に稼働するよう継続的に保守を行っていくこと。
ハードやソフトの障害を検出して復旧する障害対策、ハードの配置やディスクの空き容量を管理する構成管理、トラフィックやプロセスの使用率を管理する性能管理、パスワードやアクセス権を制御するセキュリティ管理などがある。

デフォルトゲートウェイ

IPパケットを他のネットワークへ転送するときに使用する回送先。接続しているネットワーク上にないホスト(ルータを超えた他のホスト)とのデータの送受信をする際に複雑な経路制御を特定のホストに任せる方式において「特定のホスト」のことをデフォルトゲートウェイと呼ぶ。

ドメイン

大規模なネットワークを論理的なグループに分割して、個々のコンピュータやユーザーを識別・管理するための概念。
インターネットの世界では、IPアドレスに対応して付けられる名前の範囲をドメインと呼ぶ。IPアドレスとドメイン名はDNSサーバが対応づける。LAN/WANの世界では、Windows NTサーバなどのネットワーク管理単位をドメインと呼ぶ。

ネームサーバ

ネットワーク内でユーザー名やコンピュータ名に関する情報を提供するサーバ。代表的なものとしてDNSサーバなどがある。

パケット

LANや通信回線を介して、デジタルデータを伝送する際に、データをある一定長の固まりに区切って、宛先などの情報を加えたもの。

パケットフィルタリング

パケットに含まれた送信元などの情報を基に、そのパケットを通過させてよいかどうかの選別を行うセキュリティの手段。

ファイアウォール

インターネットとLANとの間に配置することでデータ通信を管理し、外部からの不正アクセスから内部のネットワークを保護するシステムや役割をさす。

ブラウザ

複数のデータやファイルを整理して表示し、そこからユーザが必要な情報を選択できるようにするソフトウェアの総称。

プロキシ

インターネット環境で、クライアントからの要求を受けると、クライアントに代わってサーバにアクセスし、サーバから受け取ったデータをクライアントに転送するソフトウェア。
クライアントが気が付かずに動作する場合を特に、透過プロキシと呼ぶ。
セキュリティの向上と、ネットワーク負荷の集中を避ける(キャッシング機能の)ために使用される。

プロトコル

ネットワークを介してデータを交換するための取り決め。通信規約。
通信ケーブルの種類などの物理的な規定から、アプリケーションプログラムへのデータの受け渡し方法の規定まで、さまざまなレベルのプロトコルがある。

プロバイダ

商用インターネット接続サービス業者のこと。正式には、インターネットサービスプロバイダ(ISP)。

ポート番号

TCPやUDPで通信相手を特定するために用いられる識別子。

ホスト名

ネットワーク全体の管理、または制御を行うコンピュータに付けられた名前。

ルータ

複数のネットワークを相互に接続するための通信装置の1つ。

インターネットはTCP/IPを使うネットワーク同士がルータで結ばれた巨大なネットワークである。

ログ

コンピュータの利用状況やデータ通信の記録をとること。またはその記録を指す。

操作やデータの送受信が行われた日時と行われた操作の内容や送受信されたデータの中身などが記録される。

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```
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```
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under certain conditions; type `show c' for details.
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```
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```
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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

■ 謝辞

Linus Torvalds氏をはじめとするLinuxに関わるすべての皆様に心より感謝いたします。

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